

Supernova

wallbox ™



SUPERNOVA

Key Highlights

1

Charger Upgradability

Modular design to meet your business needs and scale with your operations, providing the platform to upgrade from 60 kW to 120 kW or 180 kW

2

Split Charge / Dual Port

Serves two vehicles simultaneously and redistributes power according to demand

3

High Power, Small Footprint

Serves both, low and high voltage EVs (150v-1,000v)
Optimizes space thanks to its high power density

4

Quality / Reliability

Thousands of units installed with excellent quality performance. Six independent power modules for easy maintenance and maximum uptime. Estimate 98% uptime. Auto OEM Approved.

5

Awarded Iconic Design

Ideal for public locations, helping your brand stand out
Robust construction with full NEMA 3R and IK10 rating
Fast installation and maintenance



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Models



60kW

- 150amp
- 350amp
- 10 Min Charge = ~34 miles



120kW

- 350amp
- 10 Min Charge = ~68 miles



180kW

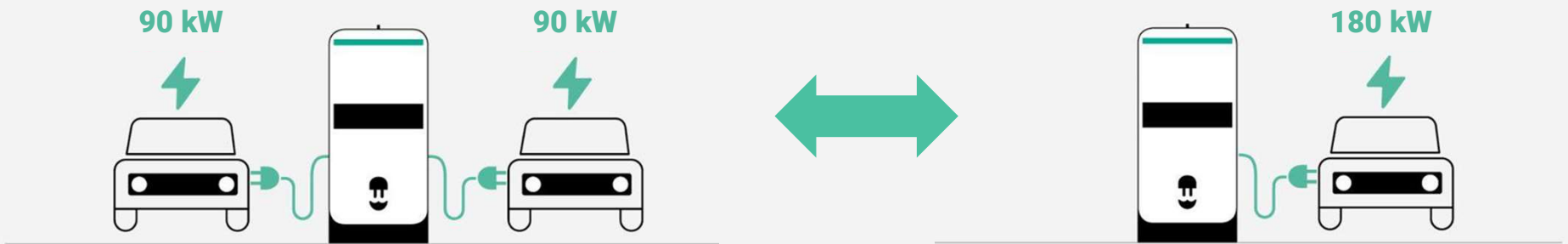
- 350amp
- 10 Min Charge = ~100 miles

SUPERNOVA 180

Split Charge increases utilization and ROI

90 kW per outlet when a second car plugs in:

- **Increased utilization** by starting simultaneous sessions



Wallbox North America Product Line | DCFC Level 3 Chargers

Supernova

Interactive lighting system

Beacon Light, Connector Status Light & Courtesy Lights

2x CCS, CCS & NACS**

Simultaneous Charging with Split Charge

60-180 kW / 150-1000V
350 A

16.4 ft with Cable Management System

Credit Card reader*
RFID user authentication

10" Touch Display (IK10)

Customizable branding
from factory*

ADA prepared
NRTL Listed

4G / Ethernet OCPP
UL certified
CSA Canada Certified

*Optional.

**Check availability with your sales representative

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Specifications

Supply Input Voltage Range

480VAC +/- 10%, 60Hz, 3 Phase

Max Input Current

60kW = 80amps,
120kW = 160amps,
180kW = 235amps

Operating Temperature

-22 Degrees Fahrenheit to 122 Degrees Fahrenheit
-30 Degrees Celsius to 50 Degrees Celsius

Backend Communication Protocol

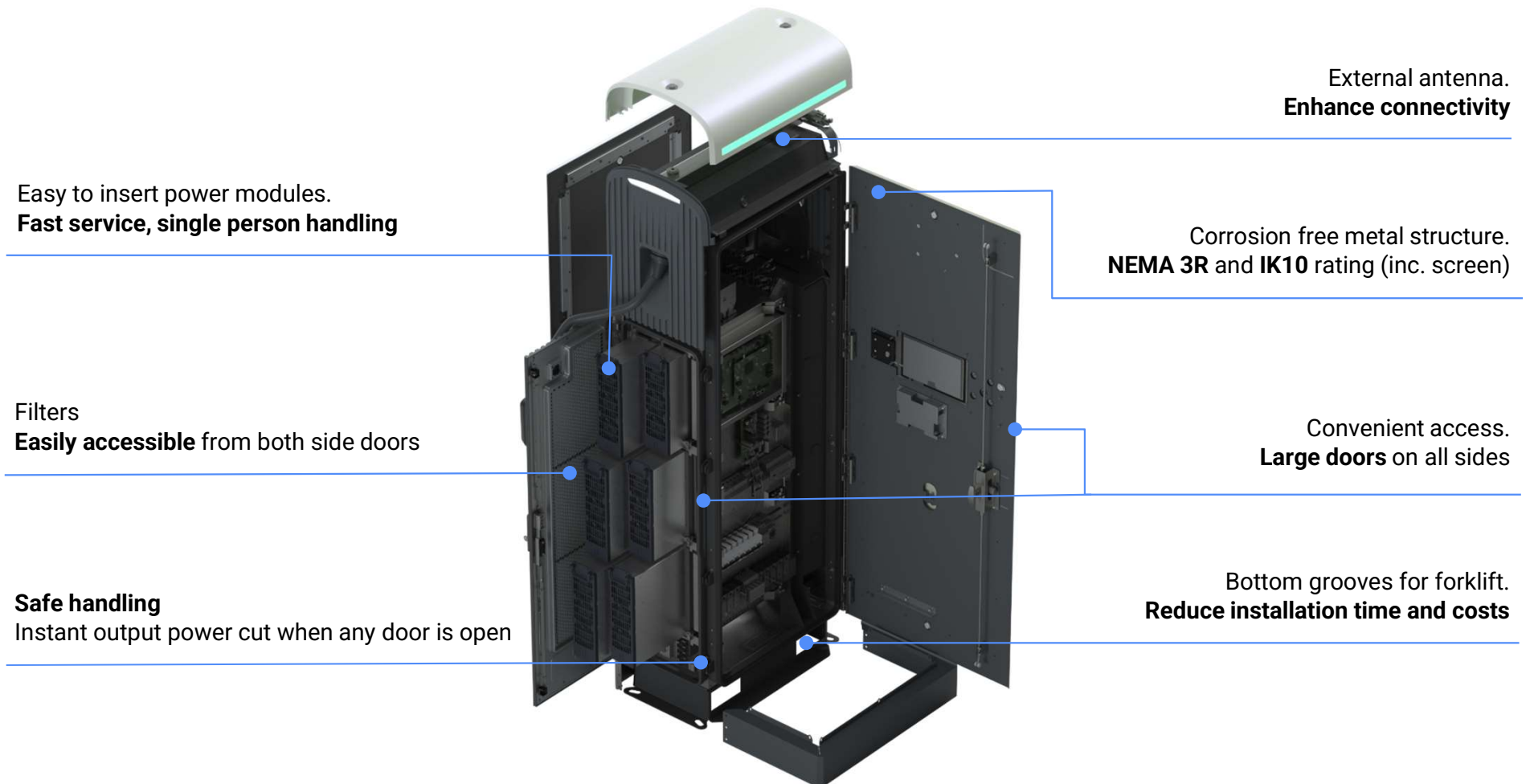
OCPP 1.6J (OCPP 2.0 hardware ready)

Charging Protocol

ISO15118 enabled
(vehicle communication – plug & charge feature)

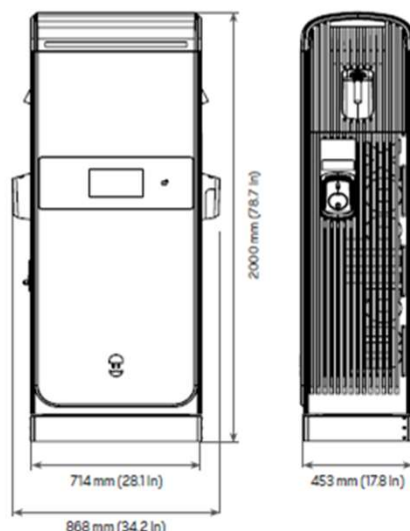


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Supernova Datasheet



Power Level	SN 180	SN 120	SN 60
Electrical			
Output Power	180 kW	120 kW	60 kW
Nominal Efficiency	95%		
Power Factor	>0.98		
THD	5%		
Standby Consumption	< 100 W		
Output Voltage	150-1000 VDC		
Max Output Current	350 A	350 A	150 A
Supply Input Voltage Range	480 VAC $\pm$ 10%, 60 Hz, 3P+PE		
Max Supply Input Current	235 A	160 A	80 A
Split Charge	Simultaneous charge of 2 outputs		

Environmental

Environmental Ratings	Environmental Ratings IP54, IK10 (charger) & IK08 (screen), 6560 ft (2000 m) altitude
Operating Temperature	-30°C to 50°C (-22°F to 122°F)
Storage Temperature	-30°C to 70°C (-22°F to 158°F)
Cooling System	Active air cooling
Operational Noise Level	Low Noise Mode: <65 dBA @ 1 m (3.3 ft)
Humidity	5% to 95% Non-condensing

General

DC Connectors	CCSI+CCSI, CCS1+NACS [®]		
Charging Protocol	ISO15118, DIN SPEC 70121, SAE J1772		
Cable Length	5 m (16.4 ft)		
Cable Management	Retracting the cable to its initial position		
Dimension with holster	2000x453x868 mm (78.7x17.8x34.2 in)		
Dimension without holster	2000x453x714 mm (78.7x17.8x28.1 in)		
Dimension with CMS	2136 x 453 x 1219 mm (84 x 17.83 x 48 in)		
Weight	400 kg (882 lbs.)	370 kg (816 lbs.)	340 kg (750 lbs.)
Weight with packaging	430 kg (948 lbs.)	400 kg (882 lbs.)	370 kg (816 lbs.)
Branding Options	Company logos/front surface/full charger vinyling		
Accessibility	Wheelchair access appropriate (ADA compliant), Environmental light		
Charging Compliance	CCS (DIN 70121; ISO15118; SAE J1772) IEC 61851-1; IEC 61851-23; IEC 61851-21		
Safety Compliance	UL 2202, UL 2231		
EMC Compliance	FCC 47 CFR Part 15B, CAN ICES-003A / NMB-003A		

Interface & Control

Connectivity	Ethernet, 4G/LTE, WiFi
Backend Communication Protocol	OCPP 1.6J, OCPP 2.0 (Hardware Ready), Plug & Charge (Hardware Ready)
Commissioning Interface	Local (via Ethernet and without extra software) and remote webmanager
Diagnostics	Auto-diagnostics system
User Interface	10" Anti-vandal Colour Touch Display (sunlight readable), LED status lights
Authentication	App (OCPP) / RFID (Mi-FARE ISO/IEC14443A/B, ISO/IEC15693, ISO/IEC18000-3, FeliCa, NFC)
Ad-Hoc Payment	Credit Card Reader (various options available)
Metering	AC, DC Meter (per output)

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Branding service available from factory



Improve your brand perception thanks to Supernova's **innovative design**



Stands out in public spaces

Customizable vinyl service



Supernova Vinyling Process

SUPERNOVA

Designed for fast roll-out of your network

• Easy Installation

- Safe forklift handling via the provided Euro Pallet or directly via the Supernova
- Easy crane hooking via the provided eye bolts

• Installation kit

- To provide the optimal way to fit and secure your Supernova to its final location

• Simple Commissioning Process

- Supernova Local web interface, therefore no specialist software required
- Effortless backend integration via OCPP
- Optional factory Pre-commissioning service

